CLAIMS

1. A method for signaling of information in a frame based transmission system, whereat the signaling information contains information necessary for the operation of the transmission system,

characterized by steps of

inserting signaling information related to individual frames into said individual frames, and

partitioning signaling information and inserting said partitioned signaling information into different frames.

2. A method according to claim 1,

characterized in, that

said inserted signaling information and said inserted partitioned signaling information is synchronized by using the given synchronization of the frame based transmission system.

3. A method according to claim 1 or 2,

characterized in, that

said signaling information and said partitioned signaling information indicate a coding mode used for coding and decoding data in the transmission system.

4. A method according to claim 1,

characterized in, that

said inserted signaling information related to individual frames indicates a coding mode used for coding and decoding data in the transmission system, said partitioned signaling information inserted into different frames of the uplink is a quality criterion for the transmission, and

said partitioned signaling information inserted into different frames of the downlink indicated a coding mode used for coding and decoding data in the transmission system.

5. A method according to claim 1,

characterized in, that

said inserted signaling information related to individual frames is channel coded separately.

6. A method according to claim 1,
characterized in, that
said partitioned signaling information inserted into different frames is channel coded together with data contained in said different frames.

7. A method according to claim 1,
characterized in, that
the transmission system is a radio network system.

8. A method according to claim 7,
characterized in, that
said radio network system is a GSM system.

9. A frame based transmission system for signaling of information, whereat the signaling information contains information necessary for the operation of the transmission system, having
means for coding and decoding of data (10, 11;20,21),
means for handling the coded data in frame format (14;24), and
means for transmitting and receiving the frames (15,16;25,26),
characterized by
means for inserting and evaluating signaling information (12;22) into and from individual frames related to said individual frames, and
means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from different frames.

10. A system according to claim 9,
characterized in, that
means for synchronizing (10,11,14;20,21,24) are used to synchronize said inserted signaling information and said inserted partitioned signaling information according to the given synchronization of the frame based transmission system.

11. A system according to claim 9 or 10,
characterized in, that

means for channel coding and decoding (13;23) are used to channel code and decode the signaling information provided by said means far inserting and evaluating signaling information (12;22) into and from individual frames.

12. A system according to claim 9,
characterized in, that
the means for coding (11;21) are used to channel code and decode the signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from different frames.

13. A system according to claim 9,
characterized in, that
the transmission system is a radio network system.

14. A system according to claim 13,
characterized in, that
said radio network system is a GSM system.

15. A system according to claim 9,
characterized in, that
said signaling information provided by said means for inserting and evaluating signaling information (12;22) into and from individual frames and said signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from different frames indicate coding modes used by the means for coding and decoding (10, 11; 20, 21).

16. A system according to claim 15,
characterized in, that
said system is a fixed part (1) of said radio network system.

17. A system according to claim 9,
characterized in, that
said signaling information provided by said means for inserting and evaluating signaling information (12;22) into and from individual frames indicate coding modes used by the means for coding and decoding (10,11;20,21), and said signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating

said partitioned information into and from different frames indicate a quality criterion for transmission.

18. A system according to claim 17,

characterized in, that

said system is a mobile part (2) of said radio network system.

19. A system according to claim 18,

characterized in, that

said quality criterion for transmission is evaluated by said mobile part (2) of said radio network system, based on frames received from said fixed part of said radio network system.